

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Eugene P. Marsh) Group Art Unit: Unknown
Serial No.: Unassigned) Examiner: Unknown
(Parent: 09/146,866))
Filed: Herewith)
(Parent: 3 September 1998))

DIFFUSION BARRIER LAYERS AND METHODS OF FORMING SAME

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
ATTN: BOX PATENT APPLICATION
Washington, D.C. 20231

Dear Sir:

The present application is a divisional patent application of Serial No. 09/146,866 filed on 3 September 1998.

Prior to taking up the above-identified application for examination, please amend the application as follows:

In the Specification

Please replace the paragraph beginning at page 10, line 13, with the following rewritten paragraph. Per 37 C.F.R. §1.21, this paragraph is also shown in Appendix A with notations to indicate the changes made.

Any ruthenium-containing precursor and platinum-containing precursor may be used in accordance with the present invention. Preferably, the platinum containing precursors include MeCpPtMe_3 (where Cp =cyclopentadienyl), platinum hexafluoroacetylacetone, CpPtMe_3 , $\text{Pt}(\text{acetylacetone})_2$, $\text{Pt}(\text{PF}_3)_4$, $\text{Pt}(\text{CO})_2\text{Cl}_2$, $\text{cis-PtMe}_2[\text{MeNC}]_2$, $(\text{COD})\text{Pt}(\text{CH}_3)_2$, $(\text{COD})\text{Pt}(\text{CH}_3)\text{Cl}$, $(\text{C}_5\text{H}_5)\text{Pt}(\text{CH}_3)(\text{CO})$, $(\text{acac})(\text{Pt})(\text{CH}_3)_3$, where COD = 1,5 cyclooctadiene and acac = acetylacetone. Further, preferably, the ruthenium precursors are liquid ruthenium